

Figure 1

**Inhibitory effect of gabapentin on ERK-2 phosphorylation  
in CHO cells transfected with mGluR5**

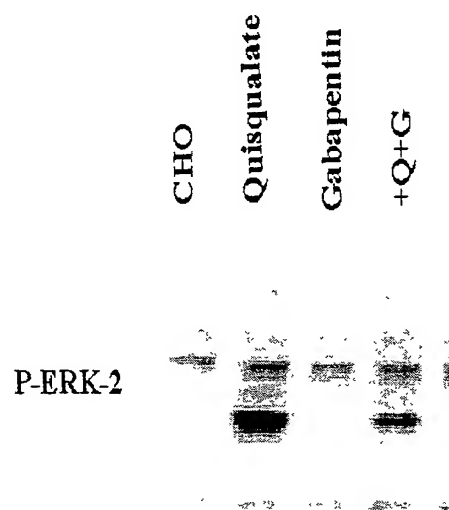


Figure 2

Gabapentin inhibits p-ERK in differentiated IMR32 human neuroblastoma cells

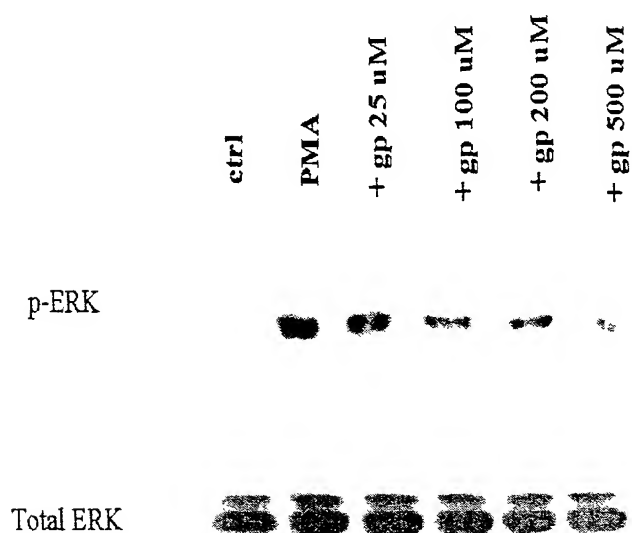


Figure 3

# Effect of Gabapentin and Pregabalin on NK1 Mediated ELK1 Activation in NK1 / CHO Cells: dose response

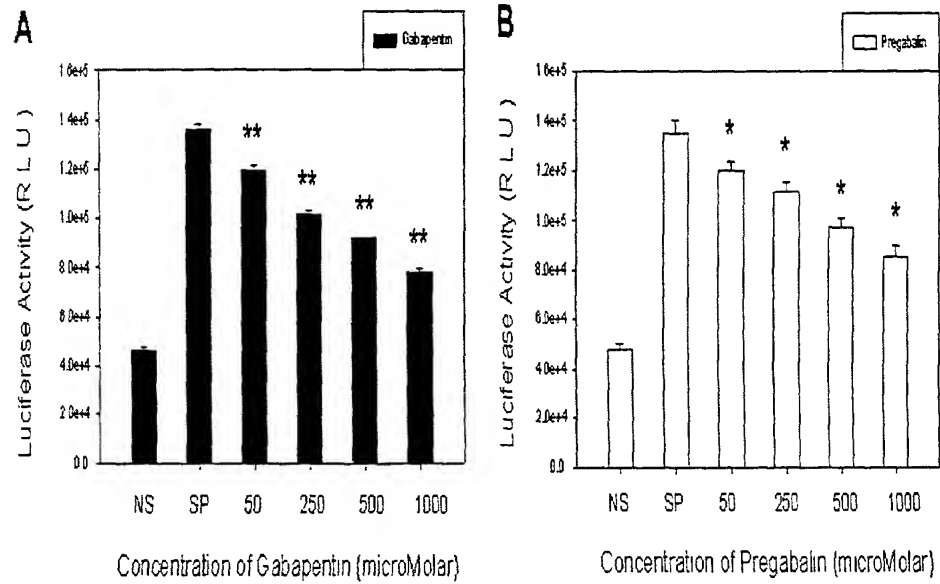
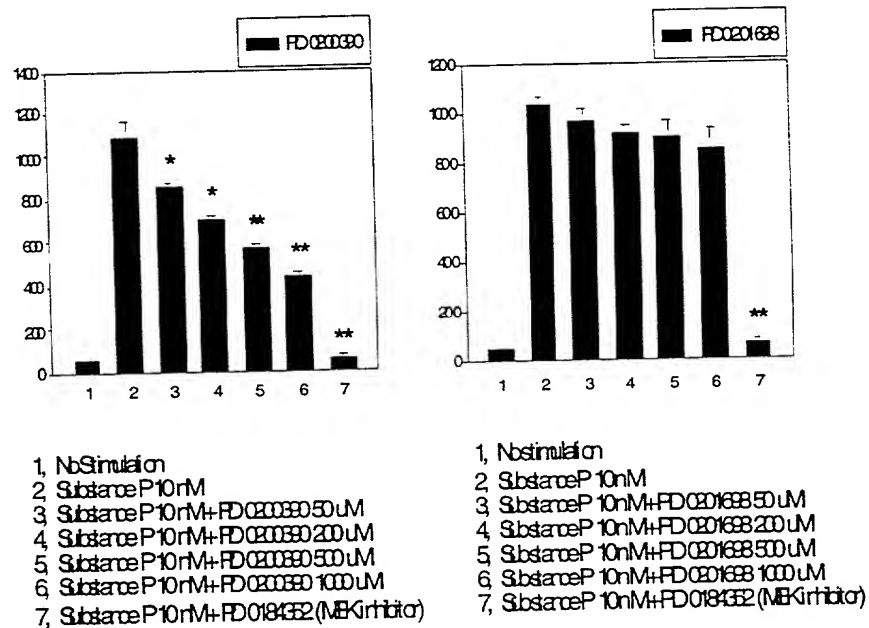


Figure 4

# Effect of PD0200390 and PD0201698 on NK1 mediated Elk-1 Activation in NK1/CHO Cells



(ELK-1 Luc. / pRL-TK Luc.)  
Normalized Luciferase, R.L.

40057099 043402

Figure 5

## Inhibition of Gabapentin on PMA Stimulated Elk-1 activation in IMR32 Cells

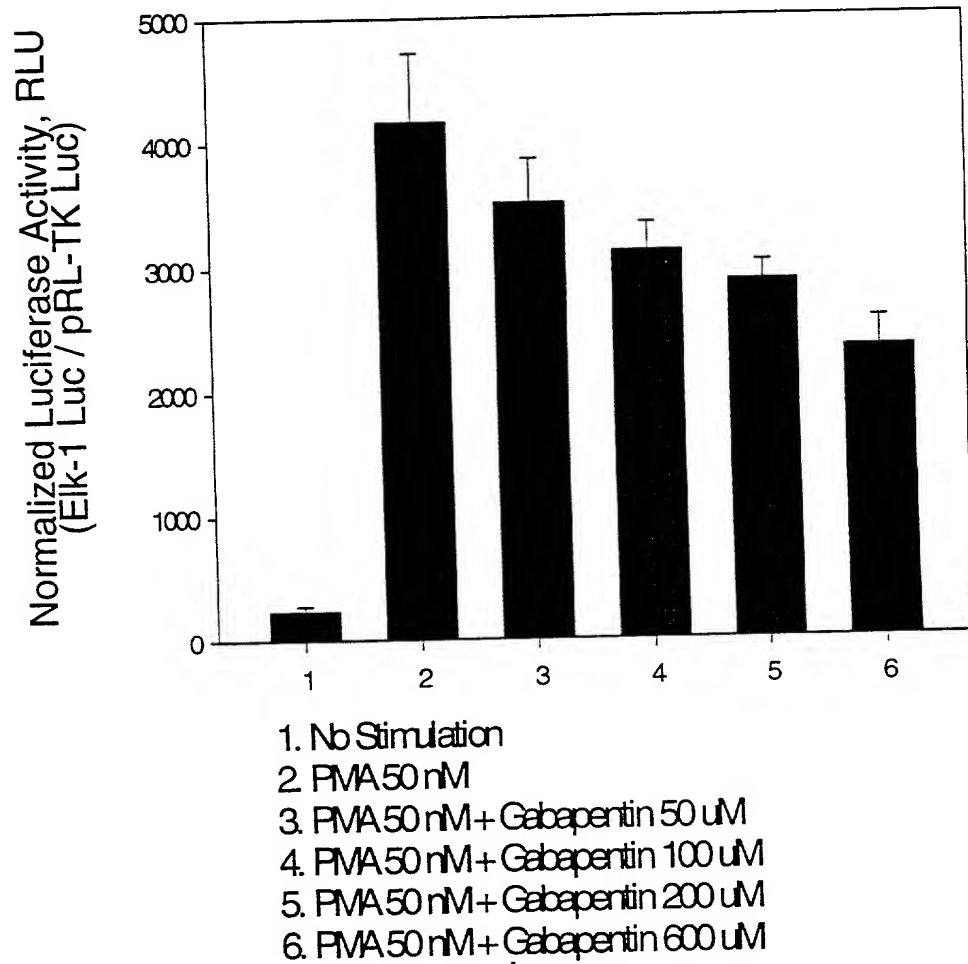
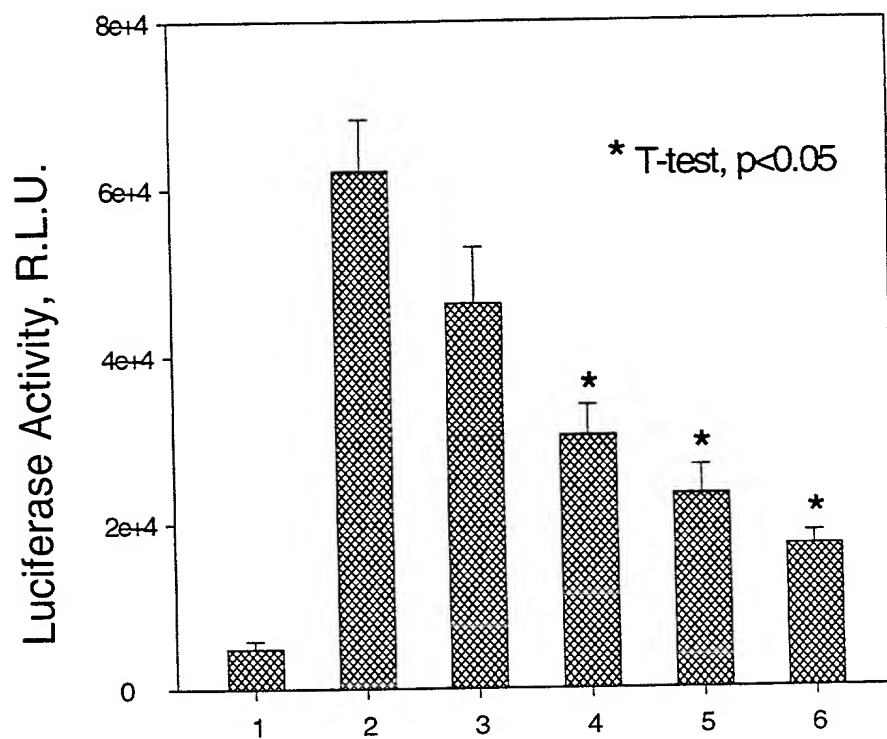


Figure 6

## Inhibition of Gabapentin on PMA Stimulated ELK1 Activity in CHO Cells



Lane 1, No Stimulation

Lane 2, PMA 100 nM

Lane 3, PMA 100 nM + Gabapentin 50 uM

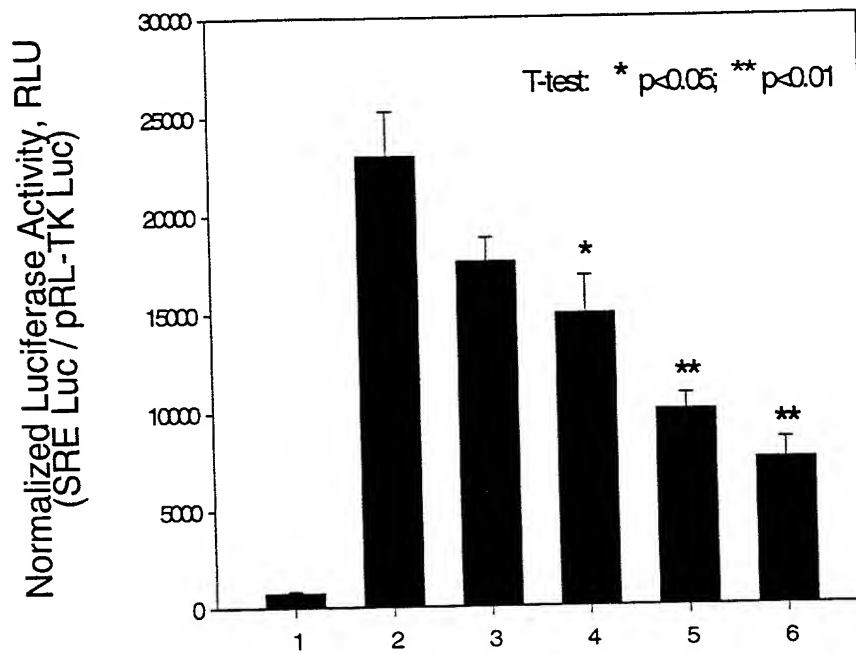
Lane 4, PMA 100 nM + Gabapentin 100 uM

Lane 5, PMA 100 nM + Gabapentin 400 uM

Lane 6, PMA 100 nM + Gabapentin 800 uM

Figure 7

## Inhibitory Effect of Gabapentin on NK1 Mediated SRE Activation in CHO/NK1 cells



1. No Stimulation
2. Substance P 10 nM
3. Substance P 10 nM + Gabapentin 50 uM
4. Substance P 10 nM + Gabapentin 250 uM
5. Substance P 10 nM + Gabapentin 500 uM
6. Substance P 10 nM + Gabapentin 1000 uM